

MachineMotion 2 Pendant V2

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Overview

MachineMotion 2™ Pendant V2 provides a plug and play touch screen interface for automated equipment powered by the Vention MachineMotion 2™ controller. When connected to the MachineMotion 2™ controller, the pendant enables machine operators and administrators to run and modify their MachineApps through an intuitive, code-free user interface.



Features

- Plug and Play compatibility with MachineMotion 2™ controller
- Pre-loaded MachineLogic™, for code-free automation sequence editing
- Application launcher for machine operators
- Manual machine operation mode
- Detect and connect to a desired Wi-Fi network

Applications

- Automated equipment
- Cartesian robot

- Functional and reliability test benches
- Conveyor system
- Inspection cells

Software Included

MachineMotion 2™ comes with pre-loaded control and machine operations software – all of which is accessible through the MachineMotion™ pendant or via computer with a USB or Ethernet connection.

Applications Launcher

The screenshot shows the Vention Applications Launcher interface. The top navigation bar includes Configuration, Manual Control, MachineLogic (highlighted), App Launcher, Network, and a STOP button. The main area shows a tree view on the left for 'Pick And Place' with sub-items like Main Sequence, Homing Positions, Pick Position 1, Activate Pneumatics, Place Position 1, Pick Position 2, Place Position 2, and Return. The right pane displays the configuration for the selected application, showing a table of sequence steps with Name, Type, and Count columns.

Name	Type	Count
Main Sequence	Loop	8
Homing Positions	Sequence	
Pick Position 1	Sequence	
Activate Pneumatics	Sequence	
Place Position 1	Sequence	

v1.14

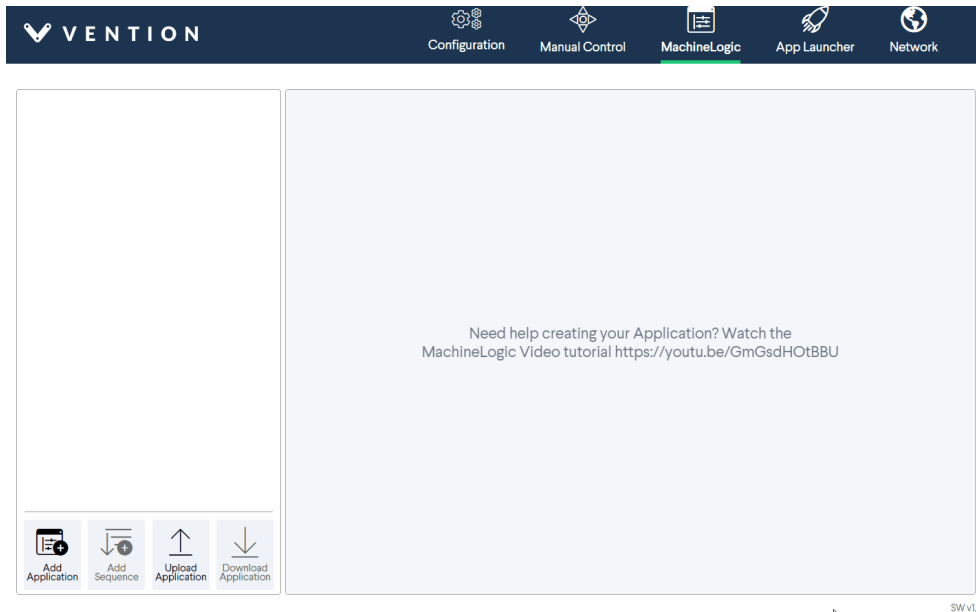
Run MachineApps and track your machine's status

Manual Mode

The screenshot shows the Vention Manual Mode interface. The top navigation bar includes Configuration, Manual Control (highlighted), MachineLogic, App Launcher, Network, and a STOP button. The main area is divided into 'Drives' (X-Axis, Y-Axis, Z-Axis) and 'Available Control Modules' (Digital Inputs/Outputs). The right pane shows system parameters like Max. Speed (20 mm/sec) and Max. Acceleration (100 mm/s²), along with axis settings for rotation and endstop sensors, and move controls for jog increment and position command.

v1.14

Manually operate your machine, one degree of freedom at a time



Create and edit MachineApps in an intuitive, code-free environment

Technical Specifications

Electrical Specifications

Processing

Processor Quad-core Cortex-A72 @ 1.5 GHz

Memory 32 GB flash storage, 8 GB RAM

Emergency

Wired emergency stop button

Input/Output Specifications

Power

Type Single cable to MachineMotion 2™ dedicated port

Network

Wireless LAN

Band 2.4 GHz and 5 GHz

Physical Layer IEEE 802.11.b/g/n/ac

Screen

Resolution 1280 x 800

Screen Size 10.1"

Type	LCD capacitive touch
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Extension

Connector Type	1x USB Type-A
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Physical Layer	USB 2.0
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Hardware Compatibility

MachineMotion 2 controller - One Drive	CE-CL-010-0001
MachineMotion 2 controller - Four Drive	CE-CL-010-0004

Included Software

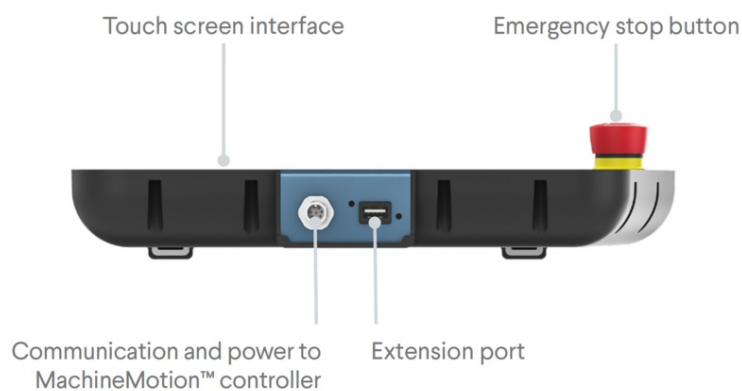
Installation	Manual Machine Control
Access	User Management
Operator	ApplicationLauncher
Programming	MachineLogic™

Mechanical Specifications

Shock-resistant enclosure
Rear mounting tabs
Hand strap

Physical Unit

Functional Pinout



Unit Dimensions

